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two inches or more at Newark, when not a drop fell on the Amboy marshes. There is no such thing, therefore, as a uniform breeding throughout the state, though identical conditions, like a general storm, may bring out broods from a number of localities at one time.

Nor is it impossible that, exceptionally, larvæ of any of the salt-marsh forms may be found away from their normal breeding areas. Personally I have never found *sollicitans* in that way; nor have any of my collectors so found it. But larvæ of *cantator* have been found on one occasion half a mile back, though not much above the general marsh level. But these are accidentals, due probably to the desire of a single gravid and perhaps injured female to place her supply of eggs.

John B. Smith.

Rutgers College, New Brunswick, N. J.,
November 25, 1903.

THE CONGRESS OF ARTS AND SCIENCE OF THE ST. LOUIS EXPOSITION.

As has already been stated here, the scientific committee of the St. Louis Exposition, consisting of Dr. Simon Newcomb, of Washington, Professor Hugo Münsterberg, of Harvard, and Professor Albion W. Small, of Chicago, visited Europe during the summer months to present personal invitations to European men of science to take part in the congress. The field was divided so that Dr. Newcomb gave his time to France and England, Professor Münsterberg to Germany and Switzerland and Professor Small to Austria and Russia, and in conjunction with Dr. Newcomb, to England. The committee returned to this country the latter part of September and reported to the Director of Congresses and the Administrative Board in New York, October 13. One hundred and fifteen acceptances have been received, as follows:

DEPARTMENT 1. PHILOSOPHY.

Metaphysics: Bergson, M. Henri, Membre de l'Institut, Paris.

Philosophy of Religion: Pfleiderer, Prof. Otto, The University, Berlin.

Logic: Riehl, Prof. Alois, The University, Halle. Windelband, Prof. Wilhelm, The University, Heidelberg.

Methodology: Ostwald, Prof. Wilhelm, The University, Leipzig. Erdmann, Prof. Benno, The University, Bonn.

Ethics: Sorley, Prof. W. R., The University, Cambridge, Eng.

Philosophy of Law: Binding, Prof. Karl, The University, Leipzig.

Esthetics: Lipps, Prof. Theodor, The University, Munich. Dessoir, Prof. Max, The University, Berlin.

DEPARTMENT 2. MATHEMATICS.

Geometry: Darboux, M. G., Membre de l'Institut, Paris.

Applied Mathematics: Boltzmann, Prof. Ludwig, Leipzig. Poincaré, M. H., Membre de l'Institut, Professor à la Sorbonne, Paris.

DEPARTMENT 3. POLITICS.

History of Asia: Cordier, M. Henri, Paris. Vámbéry, Prof. Armin, The University, Buda-Pest.

History of Greece and Rome: Pais, Signor Ettore, Musée Archeologique, Naples. Mahaffy, Prof. J. P., The University, Dublin.

Medieval History of Europe: Lamprecht, Prof. Karl, The University, Leipzig.

Modern History of Europe: Rambaud, M. A. N., Membre de l'Institut, Paris. Bury, J. B., Cambridge.

DEPARTMENT 4. LAW.

History of Roman Law: Zitelmann, Prof. Ernst, The University, Bonn.

DEPARTMENT 5. ECONOMICS.

History of Economic Institutions: Schmoller, Prof. Gustav, The University, Berlin.

DEPARTMENT 6. LANGUAGES.

Comparative Language: Brugmann, Prof. Friedrich Karl, The University, Leipzig. Paul, Prof. Hermann, The University, Munich.

Semitic Languages: Delitzsch, Professor Friedrich, The University, Berlin.

Indo-Iranian Language: Lévi, Prof Sylvain, Collège de France, Paris. Macdonnell, Prof. Arthur A., The University, Oxford.

Latin: Sonnenschein, Prof. E. A., The University, Birmingham.

English: Napier, Prof. Arthur Sampson, The University, Oxford.

Germanic: Sievers, Prof. Eduard, The University, Leipzig. Kluge, Prof. Friedrich, The University, Freiburg.

DEPARTMENT 7. LITERATURE.

Classical Literature: Jebb, Prof. Sir Richard C., The University, Cambridge, England.

Romantic Literature: Rajna, Prof. Pio, Florence.

Germanic Literature: Muncker, Prof. Franz, The University, Munich.

English Literature: Dowden, Prof. Edward, The University, Dublin.

Belles-Lettres: Brunetière, Marie-Ferdinand, Membre de l'Institut, Paris.

DEPARTMENT 8. EDUCATION.

History of Education and Educational Theory: Ziegler, Prof. Theobald, The University, Strassburg.

DEPARTMENT 9. ART.

Classical Archeology: Furthwängler, Prof. Adolf, The University, Munich.

History of Modern Architecture: Enlart M. Camille, Professor Écoles des Beaux Arts, Paris.

History of Modern Painting and Sculpture: Muther, Prof. Richard, The University, Breslau. Michel, M. André, Conservateur au Louvre, Paris.

DEPARTMENT 10. RELIGION.

Buddhism and Brahminism: Oldenberg, Prof. Hermann, The University, Kiel.

Mohammedanism: Ignácz, Prof. Goldziher, The University, Buda-Pest.

Old Testament: Smith, Rev. Prof. G. A., Glasgow, Scotland. Budde, Prof. Karl, The University, Marburg.

History of the Christian Church: Harnack, Prof. Adolf, The University, Berlin.

DEPARTMENT 11. PHYSICS.

Physics of Ether: Dewar, Prof. James, F.R.S., Royal Institution, London.

Physics of the Electron: Becquerel, M. Henri, Membre de l'Institut, Paris.

DEPARTMENT 12. CHEMISTRY.

Inorganic Chemistry: Mendeleef, Dmitry Iwanowitch, St. Petersburg.

Organic Chemistry: Fittig, Prof. Rudolf, The University, Strassburg.

Physical Chemistry: van't Hoff, Jakob Heinrich, Berlin.

Physiological Chemistry: Kossel, Prof. Albrecht, The University, Heidelberg.

DEPARTMENT 13. ASTRONOMY.

Astronomy: Backlund, Herr Otto, Director der Sternwarte, Pulkowa, Russia. Turner, Prof. H. H., F.R.S., Oxford.

Astro-Physics: Kapteyn, Prof. J. C., Groningen, Holland.

DEPARTMENT 14. SCIENCES OF THE EARTH.

Geology: Geikie, Sir Archibald, K.C.B., F.R.S., London.

Geo-Physics: Wiechert, Prof. Emil, Director Geo-Physikalischen Institut, Göttingen.

Geography: Mill, Dr. H. R., Librarian Royal Geographical Society, London. Gerland, Prof. Georg, The University, Strassburg.

Paleontology: Woodward, A. Smith, British Museum, London.

DEPARTMENT 15. PHYLOGENETIC BIOLOGY.

Plant Morphology: Bower, F. O., Glasgow. Goebel, Prof. K. F., The University, Munich.

Plant Physiology: Bonnier, Prof. Gaston, Paris.

Ecology: Flahault, Prof. Charles, The University, Montpelier. Drude, Prof. Oskar, Technische Hochschule, Dresden. Nuttall, G. H. F., Cambridge.

Animal Morphology: Girard, M. A. M., Membre de l'Institut, Paris.

Embryology: Hertwig, Oskar, The University, Berlin.

Comparative Anatomy: Delage, M. Yves, Membre de l'Institut, Paris. Fürbringer, Prof. Max, Heidelberg.

Human Anatomy: Waldeyer, Prof. Wilhelm, The University, Berlin.

Physiology: Engelmann, Prof. Theodor Wilhelm, Berlin.

Neurology: Erb, Prof. Wilhelm, The University, Heidelberg.

Pathology: Marchand, Felix, The University, Leipzig. Orth, Johannes, The University, Berlin.

Physical Anthropology: Manouvrier, M. L. Dodeur, Paris.

DEPARTMENT 16. PSYCHOLOGY.

Experimental Psychology: Ebbinghaus, Prof. Hermann, The University, Breslau.

Comparative and Genetic Psychology: Morgan, C. Lloyd, Univ. College, Bristol, Eng.

Abnormal Psychology: Janet, M. Pierre, Professor à la Sorbonne, Paris.

DEPARTMENT 17. SOCIOLOGY.

Ethnology: Steinen, Karl von den, The University, Berlin. Haddon, A. C., Christ's College, Cambridge.

Social Structure: Tönnies, Ferdinand, The University, Kiel. Ratzenhofer, Prof., Vienna.

Social Psychology: Simmel, Georg, Berlin.

DEPARTMENT 18. MEDICAL SCIENCE.

Internal Medicine: Allbutt, T. Clifford, Cambridge.

Gynecology: Richelot, Paris.

Otology and Laryngology: Seamon, Sir Felix, M.D., London.

Therapeutics: Brunton, Sir Lauder, K.C.B., F.R.S., London.

Tropical Medicine: Ross, Major F. W., The University College, Liverpool.

Pediatrics: Escherisch, Prof. Theodor, Vienna.

DEPARTMENT 19. TECHNOLOGY.

Mechanical Engineering: Riedler, A., Königliche Technische Hochschule, Berlin. Unwin, Prof. W. C., Central Technical College, London.

Chemical Technology: Witt, Otto N., Charlottenberg Polytechnic Institute, Berlin.

Agriculture: Lindet, Prof. Charles, Institute National Agronomique, Paris.

DEPARTMENT 20. PRACTICAL ECONOMICS.

Transportation: Philippovich, Eugen von, The University, Vienna.

Commerce and Exchange: Stieda, Wilhelm, Leipzig.

Money and Banking, Credit and Credit System: Lévy, Prof. Raphael Georges, Paris.

Industrial Organization: Conrad, Johannes-Ernst, The University, Halle.

DEPARTMENT 21. PRACTICAL POLITICS.

Diplomacy: Casimir-Perier, Ex-President.

National Administration: Bryce, Rt. Hon. James, 54 Portland Place, London.

Municipal Administration: Nerinck, A., University of Louvain.

DEPARTMENT 22. JURISPRUDENCE.

International Law: Zorn Philipp, The University, Bonn. Baron d'Estournelles de Constant, Paris.

Constitutional Law: Jellineck, Prof. Georg, The University, Heidelberg.

Criminal Law: Listz, Prof. Franz von, The University, Berlin. Wach, Prof. Adolf, The University, Leipzig.

Private Law: von Bar, Ludwig, Göttingen. Hilty, Prof. Karl, Berne.

DEPARTMENT 23. PRACTICAL SOCIAL SCIENCES.

The Rural Community: Weber, Prof. Max, The University, Heidelberg.

The Urban Community: Wuarin, Prof. Louis, The University, Geneva.

The Industrial Group: Sombart, Prof. Werner, The University, Breslau.

The Dependent Group: Münsterberg, E., Berlin.

The Criminal Group: Lombroso, Prof. Cesare, The University of Turin, Italy.

DEPARTMENT 24. PRACTICAL EDUCATION.

The School: Sadler, Prof. M. E., London.

The University: Ziegler, Prof. Theobald, The University, Strassburg.

The Library: Axon, Ernest, Assistant Librarian, Ref. Library, Manchester.

DEPARTMENT 25. PRACTICAL RELIGION.

Influence of Religion on Civilization: Black, Hugh, Edinburgh.

THE AMERICAN SOCIETY OF NATURALISTS.

THE twenty-second annual meeting of the American Society of Naturalists will be held at St. Louis on December 29 and 30, in affiliation with the American Association for the Advancement of Science, under the presidency of Professor William Trelease, of the Missouri Botanical Garden. Headquarters will be at the Planters Hotel and the meetings will be held at the Central High School. The annual discussion will take place on the afternoon of December 30, on 'What academic degrees should be given for scientific work?' in which a number of prominent educators and naturalists will take part. The public lecture by President David Starr Jordan, of Stanford University, on 'The Resources of our Seas,' will be on Tuesday evening in the auditorium of the Central High School. The annual dinner and the president's address will be given on Wednesday evening, December 30, at seven o'clock at the Mercantile Club (7th and Locust Sts.). A business meeting for the election of officers will he held at 6:45. The societies affiliated with the American Society of Naturalists which will meet at St. Louis are The Zoologists of the Central States, The Botanists of the Central States, The American Psychological Association, The American Society of Anthropologists. The general Secretary is Professor G. Ross Harrison, The Johns Hopkins University, to whom communications should be addressed.

SCIENTIFIC NOTES AND NEWS.

THE following is the list of council and officers of the Royal Society nominated by